CHECKLIST for ADMINISTRATIVE INJECTION APPLICATIONS

Operator: HALLIPS LETROLASM Co. Well: _	CHEM STATE WALL NO. 1
Contact: PAT CULPEPPER Title:	Phone: <u>9/5-368 - /54</u> 2
DATE IN 10.29.23 RELEASE DATE 11.12	
Proposed Injection Application is for: WATERFLOOD	Expansion Initial
Original Order: R. 3594 Secondary Red	covery Pressure Maintenance
SENSITIVE AREAS X SALT WATER	DISPOSAL
WIPP Capitan Reef Commercial O	peration
Data is complete for proposed well(s)? Additional Data	a
AREA of REVIEW WELLS	
$\underline{\mathcal{S}}$ Total # of AOR $\underline{\mathcal{O}}$	# of Plugged Wells
45 Tabulation Complete	Schematics of P & A's
/ Cement Tops Adequate /	
INJECTION INFORMATION	
Injection Formation(s)	
Source of Water	
PROOF OF NOTICE	
Copy of Legal Notice	Information Printed Correctly
Correct Operators	Copies of Certified Mail Receipts
Objection Received	Set to Hearing Date
NOTES: (1500 ST. #7 - RUMI BOX	10 LOG TO DETERMINE TOC
APPLICATION QUALIFIES FOR ADMINI COMMUNICATION WITH CONTACT PERSON:	STRATIVE APPROVAL
1at Contact: X Telephoned Letter /1-16-93 Date Nature of Discuss	
2nd Contact:TelephonedLetter Date Nature of Discuss	
3rd Contact: Telephoned Letter Date Nature of Discuss	ion

-2-CASE No. 3949 Order No. R-3594

be attached to the annulus at the surface in order to determine leakage in the casing, tubing, or packer.

(5) That approval of the subject application will prevent the drilling of unnecessary wells and otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Phillips Petroleum Company, is hereby authorized to utilize its Pello "A" Well No. 1, located in Unit L of Section 2, Township 15 South, Range 32 East, NMPM, Tulk-Wolfcamp Pool, Lea County, New Mexico, to dispose of produced salt water into the Lower Wolfcamp and Upper Pennsylvanian formations, injection to be accomplished through 2 3/8-inch tubing installed in a packer set at approximately 9550 feet, with injection into the open-hole interval from approximately 9580 feet to 10,400 feet;

PROVIDED HOWEVER, that the tubing shall be plastic-lined; that the casing-tubing annulus shall be filled with an inert fluid; and that a pressure gauge shall be attached to the annulus at the surface in order to determine leakage in the casing, tubing, or packer.

- (2) That the applicant shall submit monthly reports of its disposal operations in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.
- (3) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

DAVID F. CARGO, Chairman

GUYTON B. HAYS, Member

A. L. PORTER, Jr., Member & Secretary

BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION COMMISSION OF NEW MEXICO FOR THE PURPOSE OF CONSIDERING:

CASE No. 3949 Order No. R-3594

APPLICATION OF PHILLIPS PETROLEUM COMPANY FOR SALT WATER DISPOSAL, LEA COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 8:30 a.m. on November 20, 1968, at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 26th day of November, 1968, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, Phillips Petroleum Company, is the owner and operator of the Pello "A" Well No. 1, located in Unic L of Section 2, Township 15 South, Range 32 East, NMPM, Tulk-Wolfcamp Pool, Lea County, New Mexico.
- (3) That the applicant proposes to utilize said well to dispose of produced salt water into the Lower Wolfcamp and Upper Pennsylvanian formations, with injection into the open-hole interval from approximately 9580 feet to 10,400 feet.
- (4) That the injection should be accomplished through 2 3/8-inch plastic-lined tubing installed in a packer set at approximately 9550 feet; that the casing-tubing annulus should be filled with an inert fluid; and that a pressure gauge should

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

POST OFFICE SOX 2006 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87501

I.	Purpose: Secondary Recovery Pressure Maintenance X Disposal Storage Application qualifies for administrative approval? X yes no		
II.	Operator: Phillips Petroleum Company		
	Address: 4001 Penbrook St. Odessa, Texas 79762		
	Contact party: Pat Culpepper Phone: 915/368-1542		
II.	Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.		
IV.	Is this an Expansion of an existing project? \times yes one of the Division order number authorizing the project $R-3594$		
٧.	Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.		
vI.	Attach a tabulation of data on all wells of public record within the area of review whic penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.		
II.	Attach data on the proposed operation, including:		
	 Proposed average and maximum daily rate and volume of fluids to be injected; Whether the system is open or closed; Proposed average and maximum injection pressure; Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.). 		
III.	Attach appropriate geological data on the injection zone including appropriate lithologi detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.		
IX.	Describe the proposed stimulation program, if any.		
х.	Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)		
XI.	Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.		
XII.	Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.		
III.	Applicants must complete the "Proof of Notice" section on the reverse side of this form.		
KIV.	Certification		
	I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.		
	Name: I. M. Sanders Title _Supervisor, Reg. Affairs		
	Signature: 2. M Sanders Date: 10/27/93		

III. WELL DATA

- A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:
 - Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.
 - (2) Each casing string used with its size, setting depth, sacks of cement used hole size, top of cement, and how such top was determined.
 - (3) A description of the tubing to be used including its size, lining material, and setting depth.
 - (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

- B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.
 - (1) The name of the injection formation and, if applicable, the field or pool name.
 - (2) The injection interval and whether it is perforated or open-hole.
 - (3) State if the well was drilled for injection or, if not, the original purpose of the well.
 - (4) Give the depths of any other perforated intervals and detail on the sacks or cement or bridge plugs used to seal off such perforations.
 - (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells:
- (3) the formation name and depth with expected maximum injection rates and pressures; and
- (4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS EEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

Application for Authorization to Inject

PHILLIPS PETROLEUM COMPANY CHEM STATE WELL NO. D01

III. WELL DATA

A. 1. Name and Location: Chem State Well No. D01

1980' FSL & 660' FWL Section 2, T-15-S, R-32-E Lea County, New Mexico

2. Casing

Surface: 13-3/8" OD, 27.3# and 48# H-40 set at 381'. (17-1/4" hole).

Cemented with 350 sacks; TOC at surface (cement

circulated).

Intermediate: 8-5/8" 24# J-55 to 32# J-55 set at 4142'. (11" hole).

Cemented with 2575 sacks. TOC at surface (cement

circulated).

Production: 5-1/2" 14# J-55 to 17# N-80 set at 9580'. (7-7/8" hole).

Cemented with 950 sacks. (Trace of cement returns).

Liner: 4" 11.6# Hydril FJ liner from 9355'-10390'. (7-7/8" hole).

Cemented with 450 sx. TOC at 9355' (washed out 220 sx).

3. Tubing: 2-3/8" OD, 4.7# J-55 set at 8900'. (Salta lined)

4. Packer: Elder Sur-Lok Retrievable Packer set at 8900'.

B. 1. Formation: Wolfcamp and Upper Penn, Tulk Field

2. Interval: 8970'-10350' perforated selectively

3. Original Intent: Well was drilled for oil production

4. Perforated Interval: See Schematic - Attachment 1

5. Productive Zones: Based upon mud log and electric responses there are no

productive zones above the Wolfcamp interval. Based upon a confidential company 3-D seismic survey, there are no

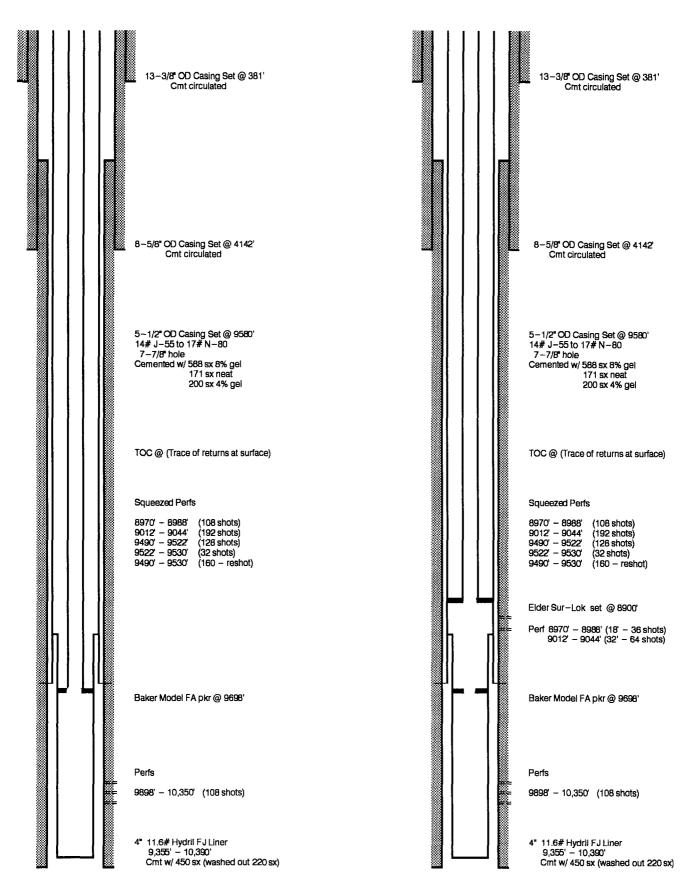
productive zones beneath the Wolfcamp.

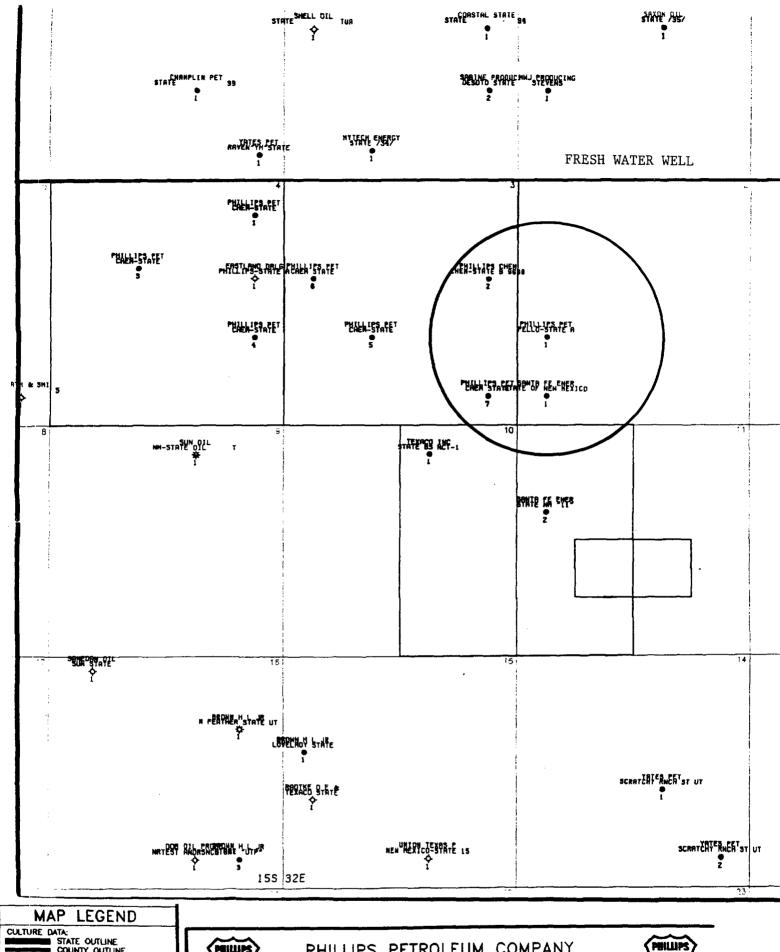
Phillips Petroleum Company

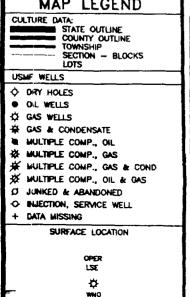
Chem State Well No. D01

EXISTING DISPOSAL WELLBORE

PLANNED DISPOSAL WELLBORE









PHILLIPS PETROLEUM COMPANY ODESSA E&P



CHEM STATE #D-1

(FORMERLY PELLO-STATE A)

SEC. 2 T-15-S, R-32-E CREATED BY: LEE SUMMERS

V.

1/2 MILE RADIUS OF PROPOSED WATER DISPOSAL PHILLIPS PETROLEUM COMPANY

APPLICATION FOR AUTHORIZATION TO INJECT

PHILLIPS PETROLEUM COMPANY CHEM STATE D #1

Santa Fe Si Operating Partners, LP		Philips Petroleun Co.	Operator	VI. WELL
Santa Fe State NM 2 #1 Operating Partners, LP	Chem State ≠7	Phillips Chem State #2 Petroleum Co.	Well Name	VI. WELLS WITHIN THE AREA OF INTEREST (PADIUS OF INVESTIGATION = 1/2 MILE)
660' FSL & 660' FWL Sec 3, T-15-S, R-32-E Lea County, NM	660' FSL & 660' FEL Sec 3, T - 15 - S, R - 32 - E Lea County, NM	2240' FNL & 658' FEL Sec 3, T-15-S, R-32-E Lea County, NM	Location	A OF INTEREST = 1/2 MILE)
27 July 1981 (13535)	31 August 1980 (13551)	28 November 1952 (9975)	Date Completed (DEPTH FT)	
gas	<u>e</u>	<u>e</u>	Well Type	
13-3/8	13-3/8	13-3/8	Size (in)	
420	430	385	Surface C Depth (ft)	
450	450	350	Surface Casing Intermediate Casing Well Type Size (in) Depth (ft) Cement (sx) Size (in) Depth (ft) Cement (sx)	
8-5/8	9-5/8	8-5/8	Size (in)	
4120	4300	4120	Intermedia Depth (ft)	
1400	950	2800	ite Casing Cement (sx)	
5-1/2	5-1/2	5-1/2	Size (in)	
12434	13531	9911	Production Depth (ft)	
1230	1250	1360	Production Casing Size (in) Depth (ft) Cement (sx TOC (ft)	
7960 c	9300 c	circ	, Toc (#)	
12240—12278 (Morrow)	13505 – 13531 (Devonian)	9500' 9872' (Wolfcamp)	Initial Completion (zone)	
plugged	9847 – 9861 (Woffcamp)	no change	initial Completion Current Completion (zone) (zone)	
Attachment 3	Attachment 2		้อ	

TOC - c - calculated w/ a 50% safety factor - circ - cement circulated

WELL SERVICE APPROVAL - NON AFE PHILLIPS PETROLEUM COMPANY--PERMIAN BASIN REGION

RKB @ CHF @	4300 4287	•	Area North Subarea Lovington Lease & Well No. Chem State #7. API # 30 025 26710 00 Legal Description 660' FSL and 660' FEL, Section 3, T	15S, R32E
		13-3/8" 54.5# @ 430' cmt'd w/450 sxs	Lea County State: New Mexico Field Tulk Wolfcamp Status: PM BOPD BWPD MCFD Tbg. Other Date Drilled: 9-05-80 Hole/Casing Condition Stimulation History:	
	医	Cmt'd w/950 sxs TOC @ 100' (T.S.)	Workover Proposal: Justification:	
	xxxxx	Wolfcamp perfs: 9847' - 9861' (28 shots) Morrow perfs: 11.842 - 11.853' (sqzd) CIBP @ 12.120' 12.180-12.183' (4 squeeze holes) 12.292 - 12.300' CIBP @ 12.310'		
		CIBP @ 12.310' Mississippian perfs: 12.366 - 12.390' (2 JSPF) 12.415 4 holes (set EZSV ret. @ 12. DV tool @ 12.526' (didn't open) TOC Devonian perfs: 13.480 - 13.485' (sqzd '81) 13.505 - 13.512' (sqzd '80;reperf:s 13.523 - 13.531' (sqzd '80) 5-1/2" 17# N-80 to 20# N-80 @ 13.531 Cmt'd w/1600 sxs	sqzd 81)	

TD = 13551 PBTD = 11672 Operator Name: Santa FE Energy Co. Lease & Well No. State NM 2 #1 Legal Description 660' FSL & 660' Spud Date: 03/26/81
FWL, Sec. 2, T-15-S, R-32-E
State: New Mexico

Date Completed: 07/27/81 P&A'd 11/06/86

cut off wellhead. spot 10 sx surface plug.

17-1/2" hole 13-3/8" 54.5 # K-55 @ 420' TOC: Circ: w/450 sx.

spot 35 sx plug @ 420'

11" hole 8-5/8" 28# S-80 @ 4120'

TOC: Circ: w/1400 sx.

spot 35 sx plug @ 1599'

Tag plug @ 4017'

pump mud spot 75 sx plug @4170'

7-7/8" hole to 13,535'

pump mud spot 45 sx plug @ 5451'

Tag plug 06143' Run tbg. to 6240' pump 120bbls mud spot 45~sx C1 Cplug 0~6240'

Cut csg. @ 6180' pulled 147 jts. 5 1/2".

spot 25 sx. @ 7562'

spot 25 sx. @8995'

spot 25 sx. @ 11.439'

Spot 25 sx. on top of PKR TOC: on PKR @ 11,900'

PKR: @ 12'100

Perf: 12,240'-12,278'

5-1/2" 20# & 17# N-80 @ 12,434' TOC: 6800' Calc. w/1230 sx.

PBTD: 13,435 w/35 sx.

TD: 13,535'

H:\WELLFILE\LOVINGTN\State^NM2.DGU

 $X \mid X$

Application for Authorization to Inject

PHILLIPS PETROLEUM COMPANY CHEM STATE NO. D1

VII. PROPOSED INJECTION OPERATIONS

1. Rates:

average:

100 BWPD

maximum:

500 BWPD

2. System:

closed

3. Pressures:

average:

500 psi

maximum:

1794 psi

4. Fluid:

Produced water analysis from the Phillips Chem State Lease

(Wolfcamp formation). See Attachment 4.

5. Disposal Zone:

The Wolfcamp is productive within one mile. The zone was

abandoned in this well after completion because it was non-

economic.

VIII. GEOLOGICAL DATA

A. Injection Zone:

The Wolfcamp has a thickness in excess of 800'. In this disposal well, the top of the formation is at 8942'. The Pennsylvanian has a thickness in excess of 400', and the top is at 9798'. Both formations are limestone.

The zones are is characterized by shoaling-upward carbonate cycles of which grainstones are an integral part. Bioclastic, which are most common, and colitic grainstones usually occur as the capping phase of phylloid-algal mounds in these cycles. Porosity development is dependent on subaerial exposure, which is the result of the localization of the phylloid-algal mound complexes on paleobathymetric highs on subtle paleostructures. Tectonic activity was insignificant during late Wolfcamp deposition with faulting activity contributing very little to zone isolation.

B. Fresh Water Sources:

Ogallala Aquifer which occurs between 200 and 300 feet from the surface.



GP.O.BOX 2187 HOBBS, N.M. 88240

WATER ANALYSIS REPORT

Report for: Randall Smith

cc: Pat Culpepper

cc: Scott Malone

CC:

Company: Phillips

Address:

Service Engineer: Kenny Kearney

Date sampled: 9-24-93

Date reported: 10-5-93

Lease or well # : Prd.H2O Chem.St.

County: State:

Formation:

Depth:

Submitted by: Kenny Kearney

CHEMICAL COMPOSITION :	mg/L	meq/L
Chloride (Cl)	74000	2087
Iron (Fe) (total)	25.0	
Total hardness	13600	
Calcium (Ca)	3448	172
Magnesium (Mg)	1215	98
Bicarbonates (HCO3)	122	2
Carbonates (CO3)	n/a	
Sulfates (SO4)	944	20
Hydrogen sulfide (H2S)	n/a	
Carbon dioxide (CO2)	43	
Sodium (Na)	42307	1839
Total dissolved solids	122037	
Barium (Ba)	n/a	
Strontium (Sr)	n/a	
Specific Gravity	1.087	
Density (#/gal.)	9.059	
pH Hq	6.200	
IONIC STRENGTH	2.25	
C+146Davic	(CaCO3) Stability Index	:
2rttr_Davra	(ODOON) NORDITION THROW	•

SI = pH - pCa - pAlk - K

SI @ 86 F = -0.74

104 F = -0.51

122 F = -0.25

140 F = +0.04

158 F = +0.36

This water is 2761 mg/l (-67.36%) under ITS CALCULATED CaSO4 saturation value at 82 F. PRESENT= A338 mg/L

SATURATION= 4099 mg/L

REPORTED BY

Application for Authorization to Inject

PHILLIPS PETROLEUM COMPANY CHEM STATE WELL NO. DO1

IX. PROPOSED STIMULATION PROGRAM

The Wolfcamp will be perforated from 9870'-8988' and from 9012'-9044'. The current perforations (9898'-10350') will remain open. The entire interval will be acidized with 1,800 gallons of 15% NeFe HCI.

X. LOGGING DATA

Well logs were filed after the well was drilled in 1951 and when the liner was run in 1969. Well was called the Pello State A.

XI. FRESH WATER ANALYSIS

Fresh Water Well Location- See map of radius of investigation. Only 1 source of fresh water could be located in the area.

Fresh Water Analysis- See Attachment 5.

XII. AFFIRMATIVE STATEMENT

All available geological and engineering data has been examined and no evidence of open faults or any other hydrological connection between the injection zone and underground source of drinking water was found.



GP.O.BOX 2187 HOBBS, N.M. 88240

PHONE: (505) 393-7726

WATER ANALYSIS REPORT

Report for: Randall Smith

cc: Pat Culpepper

cc: Scott Malone

cc:

Company: Phillips

Address:

Service Engineer: Kenny Kearney

Date sampled: 9-24-93

Date reported: 10-5-93

Lease or well # : Frsh.H2O NE Ch.St.

County: State:

Formation:

Depth:

Submitted by: Kenny Kearney

CHEMICAL COMPOSITION :	mg/L	meq/L
Chloride (Cl)	700	20
<pre>Iron (Fe) (total)</pre>	0.0	
Total hardness	310	
Calcium (Ca)	104	5
Magnesium (Mg)	12	1
Bicarbonates (HCO3)	97	2
Carbonates (CO3)	n/a	
Sulfates (SQ4)	43	1
Hydrogen sulfide (H2S)	n/a	
Carbon dioxide (CO2)	n/a	
Sodium (Na)	369	16
Total dissolved solids	1327	
Barium (Ba)	n/a	
Strontium (Sr)	n/a	
	•	
Specific Gravity	1.000	
Density (#/gal.)	8.334	
pH	6.800	
IONIC STRENGTH	0.03	
m	CO3) Stability Index :	
·	pCa - pAlk - K	
SI - pii -	pour plian n	
ST A S	36 F0 53	

SI @ 86 F = -0.53

104 F = -0.31

122 F = -0.08

140 F = +0.16

158 F = +0.41

This water is 2235 mg/l (-97.30%) under ITS CALCULATED CaSO4 saturation value at 82 F.

SATURATION= 2297 mg/L

PRESENT= 62 mg/L

REPORTED BY

LAB TECHNICLAN

AFFIDAVIT OF PUBLICATION

State of New Mexico, County of Lea.

I,	Kathi	Beard	ler

General Manager

of the Hobbs Daily News-Sun, a daily newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not a supplement thereof for a period.

of		
one	2	weeks.
Beginning with	the is:	sue dated
October	20	. 1993
and ending wit	h the is	ssue dated
October	20	1093

General Manager
Sworn and subscribed to before

2)

me this _____day of

Marlege Pourin

Notary Public.

My Commission expires March 15, 1997 (Seal)

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.

LEGAL NOTICE October 20, 1993

Notice is hereby given of the application of Phillips Petroleum Company, 4001 Penbrook Street, Odessa, Texas 79762, Attn: L. M. Sanders, (915) 368-1488, to the Oil Conservation Division, New Mexico Energy and Mineral Department, for approval of the following Disposal well authorization for the purpose of Disposal:

Well name: Chem State Well No. DO1

Location: 1980 feet from the South line and 660 feet from the West line. Section 2, T-15-S, R-32-E, Lea County, NM. The Disposal formation is Wolfcamp and Upper Penn at a depth of 8970'-10350' below the surface of the ground.

the ground.

Expected maximum injection rate is 500 bbls water per day and expected maximum injection pressure is 1794 pounds per square

inch.

Interested parties must file objections or request for hearing with the Oil Conservation Division, P.O. Box 2088, Santa Fe, New Mexico 87501, within fifteen (15) days.

ATTACHMENT NO. XIV Notification

I hereby certify that a complete copy of this application was sent by certified mail to the below listed persons on October 27, 1993.

Signed:

Name:

L. M. Sanders

Title:

Supervisor, Regulatory Affairs

Date:

Oct. 27,1983

Surface Owner:

State of New Mexico Commissioner of Public Lands P. O. Box 1148 Santa Fe, New Mexico 87501-1148

Offset Operator:

Santa Fe Energy 500 W. Illinois Midland, Texas 79701

STATE OF NEW MEXICO

OIL CONSERVE

WN DIVISION

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT: 1

OIL CONSERVATION DIVISION HOBBS DISTRICT OFFICE

'93 NO (4 AM 9 25

BRUCE KING GOVERNOR

10-29-93

POST OFFICE BOX 1980 HOBBS, NEW MEXICO 88241-1980 (505) 393-6161

OIL CONSERVATION DIVISION P. O. BOX 2088 SANTA FE, NEW MEXICO 87501
RE: Proposed: MC DHC NSL NSP SWD WFX PMX
Gentlemen:
I have examined the application for the: Phillips Petroleum Co. Chem D. State #1-L 2-15-32 Operator Lease & Well No. Unit S-T-R and my recommendations are as follows:
OK
Yours very truly,
Jury Serto
Jerry Sexton Supervisor District 1